

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 3

Application No.	10/537,985
Filing Date	June 9, 2005
First Named Inventor	Erik Visser
Art Unit	2626
Examiner	Donald L. Storm
Attorney Docket No.	SOFTM.011NP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,649,505	03-10-1987	Zinser, Jr. et al.	
	2	4,912,767	03-27-1990	Chang	
	3	5,208,786	05-04-1993	Weinstein, et al.	
	4	5,251,263	10-05-1993	Andrea et al.	
	5	5,327,178	07-05-1994	McManigal	
	6	5,375,174	12-20-1994	Denenberg	
	7	5,999,567	12-07-1999	Torkkola, K.	
	8	6,108,415	08-22-2000	Andrea	
	9	6,130,949	10-10-2000	Aoki, et al.	
	10	6,167,417	12-26-2000	Parra, et al.	
	11	6,381,570	04-30-2002	Li, et al.	
	12	6,549,630	04-15-2003	Bobisuthi, J. F.	
	13	6,606,506	08-12-2003	Jones	
	14	7,099,821	08-29-2006	Visser, et al.	
	15	2001/0037195	11-01-2001	Acero, et al.	
	16	2002/0193130	12-19-2002	Yang, et al.	
	17	2003/0055735	03-20-2003	Cameron, et al.	
	18	2003/0179888	09-25-2003	Burnett, et al.	
	19	2004/0039464	02-26-2004	Virolainen et al.	
	20	2004/0120540	06-24-2004	Mullenborn et al.	
	21	2004/0136543	07-15-2004	White et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

Examiner Signature

Date Considered

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SHEET 2 OF 3	Attorney Docket No.	SOFTM.01 INP

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	22	Amari, et al. 1996. A new learning algorithm for blind signal separation. In D. Touretzky, M. Mozer, and M. Hasselmo (Eds.), <i>Advances in Neural Information Processing Systems 8</i> (pp. 757-763). Cambridge: MIT Press.	
	23	Bell, et al. 1995. An information-maximization approach to blind separation and blind deconvolution. <i>Neural Computation</i> , 7:1129-1159.	
	24	Cardoso, J-F. 1992. Fourth-order cumulant structure forcing. Application to blind array processing. <i>Proc. IEEE SP Workshop on SSP-92</i> , 136-139.	
	25	Comon, P. 1994. Independent component analysis, A new concept? <i>Signal Processing</i> , 36:287-314.	
	26	Griffiths, et al. 1982. An alternative approach to linearly constrained adaptive beamforming. <i>IEEE Transactions on Antennas and Propagation</i> , AP-30(1):27-34.	
	28	Herauit, et al. 1986. Space or time adaptive signal processing by neural network models. Neural Networks for Computing. In J. S. Denker (Ed.), <i>Proc. of the AIP Conference</i> (pp. 206-211). New York: American Institute of Physics.	
	28	Hoshuyama, et al. 1999. A robust adaptive beamformer for microphone arrays with a blocking matrix using constrained adaptive filters. <i>IEEE Transactions on Signal Processing</i> , 47(10):2677-2684.	
	29	Hyvänninen, et al. 1997. A fast fixed-point algorithm for independent component analysis. <i>Neural Computation</i> , 9:1483-1492.	
	30	Jutten, et al. 1991. Blind separation of sources, Part I: An adaptive algorithm based on neuromimetic architecture. <i>Signal Processing</i> , 24:1-10.	
	31	Lambert, R. H. 1996. Multichannel blind deconvolution: FIR matrix algebra and separation of multipath mixtures. Doctoral Dissertation, University of Southern California.	
	32	Lee, et al. 1997. A contextual blind separation of delayed and convolved sources. <i>Proceedings of the 1997 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP '97)</i> , 2:1199-1202.	
	33	Lee, et al. 1998. Combining time-delayed decorrelation and ICA: Towards solving the cocktail party problem. <i>Proceedings of the 1998 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP98)</i> , 2:1249-1252.	
	34	Molgedey, et al. 1994. Separation of a mixture of independent signals using time delayed correlations. <i>Physical Review Letters, The American Physical Society</i> , 72(23):3634-3637.	
	35	Parra, et al. 2000. Convolutional blind separation of non-stationary sources. <i>IEEE Transactions on Speech and Audio Processing</i> , 8(3):320-327.	
	36	Platt, et al. 1992. Networks for the separation of sources that are superimposed and delayed. In J. Moody, S. Hanson, R. Lippmann (Eds.), <i>Advances in Neural Information Processing 4</i> (pp. 730-737). San Francisco: Morgan-Kaufmann.	
	37	Tong, et al. 1991. A necessary and sufficient condition for the blind identification of memoryless systems. <i>Circuits and Systems, IEEE International Symposium</i> , 1:1-4.	

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	38	Torkkola, K. 1996. Blind separation of convolved sources based on information maximization. <i>Neural Networks for Signal Processing: VI. Proceedings of the 1996 IEEE Signal Processing Society Workshop</i> , pp. 423-432.	
	39	Torkkola, K. 1997. Blind deconvolution, information maximization and recursive filters. <i>IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP'97)</i> , 4:3301-3304.	
	40	Van Compernelle, et al. 1992. Signal separation in a symmetric adaptive noise canceler by output decorrelation. <i>Acoustics, Speech, and Signal Processing, 1992. ICASSP-92., 1992 IEEE International Conference</i> , 4:221-224.	
	41	Visser, et al. Blind source separation in mobile environments using a priori knowledge. <i>Acoustics, Speech, and Signal Processing, 2004. Proceedings. (ICASSP '04). IEEE International Conference on</i> , Vol. 3, 17-21 May 2004, Page(s):iii-893-896.	
	42	Visser, et al. Speech enhancement using blind source separation and two-channel energy based speaker detection. <i>Acoustics, Speech, and Signal Processing, 2003. Proceedings. (ICASSP '03). 2003 IEEE International Conference on</i> , Vol. 1, 6-10 April 2003, Page(s):I-884 - I-887.	
	43	Yellin, et al. 1996. Multichannel signal separation: Methods and analysis. <i>IEEE Transactions on Signal Processing</i> , 44(1):106-118.	
	44	International Search Report from PCT/US03/39593 dated April 29, 2004.	
	45	International Preliminary Report on Patentability dated February 1, 2007, with copy of Written Opinion of ISA dated April 19, 2006, for PCT/US2005/026195 filed on July 22, 2005.	
	46	International Preliminary Report on Patentability dated February 1, 2007, with copy of Written Opinion of ISA dated March 10, 2006, for PCT/US2005/026196 filed on July 22, 2005.	
	47	Office Action dated March 23, 2007 from co-pending U.S. Application No. 11/463,376 filed August 9, 2006.	
	48	Office Action dated July 23, 2007 from co-pending U.S. Application No. 11/187,504 filed July 22, 2005.	

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